

**Notice of Allowability**

Application No.

09/599,322

Examiner

Dmitry Levitan

Applicant(s)

KARDACH, JAMES

Art Unit

2662

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/06/05.
2. ☒ The allowed claim(s) is/are 1-18, 20, 23, 24 and 26, renumbered as 1-22.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**JOHN PEZZLO**  
**PRIMARY EXAMINER**

Art Unit: 2662

Amendment, filed 09/06/05, has been entered. Claims 1-18, 20, 23, 24 and 26 are allowed.

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Naya Chatterjee on 09/20/05.

The application has been amended as follows:

Claims 1-18, 20, 23, 24 and 26 have been replaced with the claims of Attachment A.

Note. The claims were amended to remove trademarks from the claims.

### ***Allowable Subject Matter***

2. Claims 1-18, 20, 23, 24 and 26 allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should be preferably accompany the issue fee.

Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance"

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dmitry Levitan whose telephone number is (571) 272-3093. The examiner can normally be reached on 8:30 to 4:30.


Art Unit: 2662

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on (571) 272-3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DL

Dmitry Levitan  
Patent Examiner.  
09/22/05

  
JOHN PEZZLO  
PRIMARY EXAMINER

## Attachment A.

1. An apparatus comprising:

a network circuit to couple to a local area network (LAN) through a transmission line;

a modem to couple to a wide area network (WAN) through the transmission line;

a digital-to-analog (D/A) converter to couple to a telephone network through the transmission line;

a radio transceiver coupled to the network circuit, the modem and the D/A converter, the radio transceiver to receive a service discovery request based on a BLUETOOTH standard from a wireless communication device, to establish a connection to the wireless communication device, to receive wireless communication data from the wireless communication device and to route the wireless communication data through the D/A converter across the telephone network where the wireless communication data is received through a cordless telephony connection, to route the wireless communication data to the WAN through the modem where the wireless communication data is received through a dial-up network connection, to route the wireless communication data to the LAN through the network circuit where the wireless communication data is received through a network access connection.

2. The apparatus of claim 1, wherein the wireless communication data received by the radio transceiver is based on a BLUETOOTH standard, and wherein the radio transceiver is a BLUETOOTH access device for receiving the wireless communication data from the wireless communication device.

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3. The apparatus of claim 1, wherein the transmission line is a Plain Old Telephone Service line.

4. The apparatus of claim 1, the wireless communications data is received from a group consisting of a mobile telephone, a mobile computer, and a personal digital assistant.

5. The apparatus of claim 1, wherein the wireless communications data is routed to the D/A converter when the wireless communications data is voice data, wherein the voice data includes data received from the cordless telephony connection.

6. The apparatus of claim 1, wherein the wireless communications data is routed to the modem when the wireless communications data is data being routed to the Internet.

7. An apparatus comprising:

a network circuit to couple to a transmission line, the network circuit to transmit at a first frequency range on the transmission line;

a modem to couple to a wide area network (WAN) through the transmission line, the modem to transmit at a second frequency range on the transmission line;

a digital/analog (D/A) converter to couple to a telephone network through the transmission line, the D/A converter to transmit at the second frequency range on the transmission line; and

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a radio transceiver to receive a service discovery request from at least one wireless communication device, to establish a connection to the at least one wireless communication device, to receive wireless communication data based on a BLUETOOTH standard from the at least one wireless communication device, to route the wireless communication data through the D/A converter across the telephone network where the wireless communication data is received through a cordless telephony connection, to route the wireless communication data to the WAN through the modem where the wireless communication data is received through a dial-up network connection, to route the wireless communication data to the LAN through the network circuit where the wireless communication data is received through a network access connection.

8. The apparatus of claim 7, wherein the LAN is located in a residential home.
9. The apparatus of claim 7, wherein the transmission line is a Plain Old Telephone Service line.
10. The apparatus of claim 9, wherein the apparatus is coupled through a RJ-11 socket to the POTS line.
11. The apparatus of claim 9, wherein the wireless communication data is routed to the D/A converter when the wireless communication data includes voice data, wherein the voice data includes data received from the cordless telephony connection.

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12. The apparatus of claim 9, wherein the wireless communication data is routed to the modem when the wireless communication data is data being routed to devices coupled to the WAN.

13. The apparatus of claim 9, wherein the wireless communication data is routed to the network circuit when the wireless communication data is data being routed to devices coupled to the LAN.

14. A system comprising:

a processing unit;

a memory;

a network circuit coupled to the processing unit and the memory;

a filter coupled to the network circuit, the filter to couple to a local area network (LAN) through a transmission line;

a modem coupled to the processing unit and the memory, the modem to couple to a wide area network (WAN) through the transmission line;

a digital-to-analog (D/A) converter coupled to the processing unit and the memory, the D/A converter to couple to a telephone network through the transmission line;

a radio transceiver coupled to processing unit, the memory, the network circuit, the modem and the D/A converter, the radio transceiver to receive a service discovery request based on a BLUETOOTH standard from a wireless communication device, to establish a connection to the wireless communication device, to receive wireless

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communication data and to route the wireless communication data through the D/A converter across the telephone network where the wireless communication data is received through a cordless telephony connection, to route the wireless communication data to the WAN through the modem where the wireless communication data is received through a dial-up network connection, to route the wireless communication data to the LAN through the network circuit where the wireless communication data is received through a network access connection.

15. The system of claim 14, wherein the wireless communication data received by the radio transceiver is based on a BLUETOOTH standard.

16. The system of claim 14, wherein the transmission line is a Plain Old Telephone Service line.

17. A method comprising:

receiving a service discovery request based on a BLUETOOTH standard from at least one wireless communication device;

connecting to the at least one wireless communication device;

receiving wireless communication data from the at least one wireless communication device; and

routing the wireless communication data to at least two devices coupled to at least two different networks.

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18. The method of claim 17, wherein the routing is based on connections between the at least one wireless communication device and the at least two devices.

19. (Cancelled)

20. A method comprising:

receiving a service discovery request from at least one wireless communication device;

connecting to the wireless communication device;

receiving wireless communication data from the at least one wireless communication device;

formatting the wireless communication data into analog data at a first frequency range upon determining the wireless communication data is for a cordless telephony service;

formatting the wireless communication data into analog data at the first frequency range upon determining the wireless communication data is for a dial-up network service;

formatting the wireless communication data into network data packets at a second frequency range upon determining the wireless communication data is for a network access service; and

transmitting the analog data at the first frequency range and the network data packets at the second frequency range to a number of devices on a number of networks.

21. - 22. (Cancelled)

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23. A machine-readable medium that provides instructions, which when executed by a machine, cause said machine to perform operations comprising:

receiving a service discovery request based on a BLUETOOTH standard from at least one wireless communication device;

connecting to the wireless communication device;

receiving wireless communication data from the at least one wireless communication device; and

routing the wireless communication to at least two devices coupled to at least two different networks.

24. The machine-readable medium of claim 23, wherein the routing is based on connections between the at least one wireless communication device and the at least two devices.

25. (Cancelled)

26. A machine-readable medium that provides instructions, which when executed by a machine, cause said machine to perform operations comprising:

receiving a service discovery request from at least one wireless communication device;

connecting to the wireless communication device;

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receiving wireless communication data from the at least one wireless communication device;

formatting the wireless communication data into analog data at a first frequency range upon determining the wireless communication data is for a cordless telephony service;

formatting the wireless communication data into analog data at the first frequency range upon determining the wireless communication data is for a dial-up network service;

formatting the wireless communication data into network data packets at a second frequency range upon determining the wireless communication data is for a network access service; and

transmitting the analog data at the first frequency range and the network data packets at the second frequency range to a number of devices on a number of networks.

27. - 28. (Cancelled)

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